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<input type="checkbox"/>	L2	L1 and amidinohydrolase	28
<input type="checkbox"/>	L1	(ALCALIGENES OR ALKALIGENES)AND CREATINE	67

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Search Results - Record(s) 1 through 10 of 28 returned.☐ 1. Document ID: US 20030119084 A1**Using default format because multiple data bases are involved.**

L2: Entry 1 of 28

File: PGPB

Jun 26, 2003

PGPUB-DOCUMENT-NUMBER: 20030119084

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030119084 A1

TITLE: Variants of Erwinia-type creatinase

PUBLICATION-DATE: June 26, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Shao, Zhixin	Penzberg		DE	
Schmuck, Rainer	Benediktbeuern		DE	
Kratzsch, Peter	Antdorf		DE	
Kenklies, Janet	Penzberg		DE	
Weisser, Harald	Bernried		DE	

US-CL-CURRENT: [435/18](#); [435/227](#), [435/252.3](#), [435/320.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 2. Document ID: US RE38687 E

L2: Entry 2 of 28

File: USPT

Jan 11, 2005

US-PAT-NO: RE38687

DOCUMENT-IDENTIFIER: US RE38687 E

TITLE: Creatine amidinohydrolase, production thereof and use thereof

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 3. Document ID: US 6821766 B1

L2: Entry 3 of 28

File: USPT

Nov 23, 2004

US-PAT-NO: 6821766

DOCUMENT-IDENTIFIER: US 6821766 B1

TITLE: Thermostable creatine amidinohydrolase and process for producing the same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 4. Document ID: US 6699700 B1

L2: Entry 4 of 28

File: USPT

Mar 2, 2004

US-PAT-NO: 6699700

DOCUMENT-IDENTIFIER: US 6699700 B1

**** See image for Certificate of Correction ****TITLE: Creatine amidinohydrolase and process for producing the same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 5. Document ID: US 6080553 A

L2: Entry 5 of 28

File: USPT

Jun 27, 2000

US-PAT-NO: 6080553

DOCUMENT-IDENTIFIER: US 6080553 A

TITLE: Creatine amidinohydrolase, production thereof and use thereof

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 6. Document ID: US 5932466 A

L2: Entry 6 of 28

File: USPT

Aug 3, 1999

US-PAT-NO: 5932466

DOCUMENT-IDENTIFIER: US 5932466 A

**** See image for Certificate of Correction ****TITLE: Creatine amidinohydrolase gene, a novel recombinant DNA, and a process for producing creatine amidinohydrolase

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 7. Document ID: US 5451520 A

L2: Entry 7 of 28

File: USPT

Sep 19, 1995

US-PAT-NO: 5451520

DOCUMENT-IDENTIFIER: US 5451520 A

TITLE: Creatine amidinohydrolase from alkaligenes sp. ks-85 ferm bp-4487

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 8. Document ID: US 5047329 A

L2: Entry 8 of 28

File: USPT

Sep 10, 1991

US-PAT-NO: 5047329

DOCUMENT-IDENTIFIER: US 5047329 A

TITLE: Method for the measurement of creatine or creatinine and reagents for these measurements

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 9. Document ID: US 4215197 A

L2: Entry 9 of 28

File: USPT

Jul 29, 1980

US-PAT-NO: 4215197

DOCUMENT-IDENTIFIER: US 4215197 A

TITLE: Test means and method for creatinine determination

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 10. Document ID: US 4039384 A

L2: Entry 10 of 28

File: USPT

Aug 2, 1977

US-PAT-NO: 4039384

DOCUMENT-IDENTIFIER: US 4039384 A

TITLE: Creatinine amidohydrolase and creatine amidinohydrolase and process for producing them

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 11. Document ID: US 3912588 A

Using default format because multiple data bases are involved.

L2: Entry 11 of 28

File: USPT

Oct 14, 1975

US-PAT-NO: 3912588

DOCUMENT-IDENTIFIER: US 3912588 A

TITLE: Creatine amidohydrolase in the conversion of creatinine to creatine

DATE-ISSUED: October 14, 1975

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mollering; Hans	Tutzing, Upper Bavaria			DT
Beaucamp; Klaus	Tutzing, Upper Bavaria			DT
Nelboeck-Hochstetter; Michael	Tutzing, Upper Bavaria			DT
Bergmeyer; Hans Ulrich	Tutzing, Upper Bavaria			DT

US-CL-CURRENT: 435/136; 435/227, 435/228, 435/824, 435/829, 435/933

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Data
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☐ 12. Document ID: US 3907644 A

L2: Entry 12 of 28

File: USPT

Sep 23, 1975

US-PAT-NO: 3907644

DOCUMENT-IDENTIFIER: US 3907644 A

TITLE: Creatinine amidohydrolase composition and process for the determination of creatinine

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Data
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☐ 13. Document ID: JP 2000201675 A

L2: Entry 13 of 28

File: JPAB

Jul 25, 2000

PUB-NO: JP02000201675A

DOCUMENT-IDENTIFIER: JP 2000201675 A

TITLE: HEAT-RESISTANT CREATINE AMIDINOHYDROLASE AND ITS PRODUCTION

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 14. Document ID: JP 10174585 A

L2: Entry 14 of 28

File: JPAB

Jun 30, 1998

PUB-NO: JP410174585A

DOCUMENT-IDENTIFIER: JP 10174585 A

TITLE: STABLE CREATINE AMIDINOHYDROLASE

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 15. Document ID: JP 08308579 A

L2: Entry 15 of 28

File: JPAB

Nov 26, 1996

PUB-NO: JP408308579A

DOCUMENT-IDENTIFIER: JP 08308579 A

TITLE: GENE ENCODING CREATINE AMIDINOHYDROLASE

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 16. Document ID: JP 08089255 A

L2: Entry 16 of 28

File: JPAB

Apr 9, 1996

PUB-NO: JP408089255A

DOCUMENT-IDENTIFIER: JP 08089255 A

TITLE: NOVEL CREATINE AMIDINOHYDROLASE GENE, NOVEL RECOMBINANT DNA AND PRODUCTION OF CREATINE AMIDINOHYDROLASE

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 17. Document ID: JP 07265074 A

L2: Entry 17 of 28

File: JPAB

Oct 17, 1995

PUB-NO: JP407265074A

DOCUMENT-IDENTIFIER: JP 07265074 A

TITLE: NEW CREATINE AMIDINOHYDROLASE AND ITS USE

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 18. Document ID: JP 62091182 A

L2: Entry 18 of 28

File: JPAB

Apr 25, 1987

PUB-NO: JP362091182A

DOCUMENT-IDENTIFIER: JP 62091182 A
TITLE: PRODUCTION OF CREATINE AMIDINOHYDROLASE

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 19. Document ID: JP 55034029 A

L2: Entry 19 of 28

File: JPAB

Mar 10, 1980

PUB-NO: JP355034029A

DOCUMENT-IDENTIFIER: JP 55034029 A

TITLE: PREPARATION OF CREATININE AMIDOHYDROLASE AND/OR CREATINE AMIDINOHYDROLASE

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 20. Document ID: US 6821766 B1, WO 200040708 A1, JP 2000201675 A, EP 1142994 A1

L2: Entry 20 of 28

File: DWPI

Nov 23, 2004

DERWENT-ACC-NO: 2000-475827

DERWENT-WEEK: 200478

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TITLE: Novel thermostable Alcaligenes-derived creatine amidinohydrolase, useful for the diagnosis of kidney diseases and related diseases

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 21. Document ID: JP 07265074 A, JP 3114838 B2

L2: Entry 21 of 28

File: DWPI

Oct 17, 1995

DERWENT-ACC-NO: 1995-388685

DERWENT-WEEK: 200065

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TITLE: Creatine amidino:hydrolase - catalyses conversion of creatine to sarcosine and urea

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw De
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☐ 22. Document ID: DE 4445084 A1, JP 2788174 B2, JP 07170979 A, US 5451520 A

L2: Entry 22 of 28

File: DWPI

Jun 22, 1995

DERWENT-ACC-NO: 1995-225787

DERWENT-WEEK: 199838

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TITLE: New creatine amidinohydrolase enzyme from Alcaligenes - useful for determin. of creatine and/or creatinine

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw De
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☐ 23. Document ID: JP 62091182 A, JP 94057148 B2

L2: Entry 23 of 28

File: DWPI

Apr 25, 1987

DERWENT-ACC-NO: 1987-153951

DERWENT-WEEK: 198722

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TITLE: Prodn. of creatine amidino:hydrolase - by culturing Alcaligenes bacteria and separating obtd. enzyme

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw De
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☐ 24. Document ID: JP 55034029 A, JP 85050437 B

L2: Entry 24 of 28

File: DWPI

Mar 10, 1980

DERWENT-ACC-NO: 1980-28511C
DERWENT-WEEK: 198016
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TITLE: Creatinine amidohydrolase and/or creatine amidino-hydrolase prodn. - by incubation of Alkaligenes ak-2, prod. being useful for creatinine analysis

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 25. Document ID: NL 7205996 A, DE 2122294 A, FR 2135301 A, US 3806420 A, SU 421200 A, CH 572522 A, DE 2167120 A, DE 2122294 B, DE 2167120 B, JP 47043281 A, JP 81007674 B, NL 175434 B

L2: Entry 25 of 28

File: DWPI

DERWENT-ACC-NO: 1972-74817T
DERWENT-WEEK: 199817
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TITLE: Growth of microorganisms - contg creatinine - amidohydrolase and creatinine-amidinohydrolase

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 26. Document ID: NL 7205995 A, CA 993386 A, CH 572067 A, DE 2122298 A, DE 2122298 B, DE 2167034 A, DE 2167034 B, DE 2167035 A, DE 2167035 B, FR 2182705 A, GB 1359403 A, JP 47043283 A, JP 82029150 B, NL 175930 B, SE 7900292 A, SU 532341 A, US 3806416 A, US 3907644 A, US 3912588 A

L2: Entry 26 of 28

File: DWPI

DERWENT-ACC-NO: 1972-74816T
DERWENT-WEEK: 197247
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TITLE: Isolation of creatinine amido hydrolase and creatine - amidinohydrolase - from microorganisms, for use in clinical liver fun

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 27. Document ID: US 3806420 A

L2: Entry 27 of 28

File: USOC

Apr 23, 1974

US-PAT-NO: 3806420
DOCUMENT-IDENTIFIER: US 3806420 A

TITLE: PROCESS FOR THE PREPARATION OF CREATININE AMIDOHYDROLASE

DATE-ISSUED: April 23, 1974

INVENTOR-NAME: BERGMEYER H; GRAMSALL J ; HOLZ G ; NELBOECK HOCHSTETTER M

US-CL-CURRENT: [435/231](#), [435/12](#), [435/228](#), [435/815](#), [435/816](#), [435/829](#), [435/933](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 28. Document ID: US 3806416 A

L2: Entry 28 of 28

File: USOC

Apr 23, 1974

US-PAT-NO: 3806416

DOCUMENT-IDENTIFIER: US 3806416 A

TITLE: CREATINE AMIDOHYDROLASE AND PROCESS FOR ITS PREPARATION

DATE-ISSUED: April 23, 1974

INVENTOR-NAME: BERGMEYER H; MOLLERING H ; BEAUCAMP K ; NELBOECK HOCHSTETTER M

US-CL-CURRENT: [435/228](#), [435/12](#), [435/933](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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na-1212

Elizabeth Slobodyansky, PhD

ME

Primary Examiner

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NEWS	16	APR 28	Improved searching of U.S. Patent Classifications for U.S. patent records in CA/CAPLUS
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NEWS	28	AUG 11	STN AnaVist workshops to be held in North America
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NEWS	30	AUG 30	CASREACT - Enhanced with displayable reaction conditions
NEWS EXPRESS			JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005
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=> s (alcaligenes or alkaligenes) and creatine

L1 59 (ALCALIGENES OR ALKALIGENES) AND CREATINE

=> s l1 and amidinohydrolase

L2 41 L1 AND AMIDINOHYDROLASE

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PROCESSING COMPLETED FOR L2

L3 22 DUP REM L2 (19 DUPLICATES REMOVED)

=> d 1-10

L3 ANSWER 1 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2005:632169 HCAPLUS

DN 143:148950

TI Mutant ***Alcaligenes*** ***creatine*** ***amidinohydrolase***
with higher ***creatine*** affinity, its production and use in
creatine or creatinine assay

IN Sogabe, Atsushi; Hattori, Takashi; Nishiya, Yoshiaki; Kawamura, Yoshihisa

PA Toyobo Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 22 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2005192538	A2	20050721	JP 2004-4863	20040109
PRAI	JP 2004-4863		20040109		

L3 ANSWER 2 OF 22 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
DUPLICATE 1

AN 2000-12466 BIOTECHDS

TI Novel thermostable ***Alcaligenes*** -derived ***creatine*** -
amidinohydrolase, useful for the diagnosis of kidney diseases and
related diseases;
creatinase production involving vector plasmid pUCE100-mediated gene
transfer for expression Escherichia coli

AU Furukawa K; Koyama Y; Suzuki M

PA Kikkoman

LO Chiba, Japan.

PI WO 2000040708 13 Jul 2000

AI WO 1999-JP7424 28 Dec 1999

PRAI JP 1999-33359 1 Jan 1999

DT Patent

LA Japanese

OS WPI: 2000-475827 [41]

L3 ANSWER 3 OF 22 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
DUPLICATE 2

AN 2000-11471 BIOTECHDS

TI Highly thermostable ***creatine*** - ***amidinohydrolase*** with
optimum pH in weakly acidic region, useful in assaying serum or urine
creatine for diagnosis of e.g. kidney diseases, scarcely affected
by bilirubin;
creatine -amidohydrolase isolation, produced by a
transformant Escherichia coli

AU Furukawa K; Ichikawa T

PA Kikkoman

LO Chiba, Japan.

PI WO 2000031245 2 Jun 2000

AI WO 1999-JP6583 25 Nov 1999

PRAI JP 1998-334252 25 Nov 1998

DT Patent

LA Japanese

OS WPI: 2000-411951 [35]

L3 ANSWER 4 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1998:423907 HCAPLUS

DN 129:92258

TI Recombinant preparation of ***creatine*** ***amidinohydrolase***
mutants of ***Alcaligenes*** faecalis with improved thermostability

IN Sokabe, Atsushi; Nishiya, Yoshiaki; Kawamura, Yoshihisa

PA Toyobo Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 10174585	A2	19980630	JP 1996-337027	19961217
	JP 3422197	B2	20030630		
	JP 2001346594	A2	20011218	JP 2001-121708	19961217
PRAI	JP 1996-337027	A3	19961217		

L3 ANSWER 5 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1997:591389 HCAPLUS

DN 127:187507

TI Novel mutant ***creatine*** ***amidinohydrolase*** from
Alcaligenes and its production and analytical use

IN Sogabe, Atsushi; Hattori, Takashi; Nishiya, Yoshiaka; Kawamura, Yoshihisa

PA Toyo Boseki Kabushiki Kaisha, Japan

SO Eur. Pat. Appl., 21 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 790303	A1	19970820	EP 1997-102270	19970213
	R: DE, FR, GB, IT				
	JP 09215494	A2	19970819	JP 1996-25435	19960213
	JP 3075390	B2	20000814		
	US 6080553	A	20000627	US 1997-799897	19970213
	EP 1132467	A2	20010912	EP 2001-113052	19970213
	EP 1132467	A3	20011010		
	R: DE, FR, GB, IT				
	US 38687	E	20050111	US 2001-940941	20010828
PRAI	JP 1996-25435	A	19960213		
	EP 1997-102270	A3	19970213		
	US 1997-799897	A5	19970213		

L3 ANSWER 6 OF 22 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
DUPLICATE 3

AN 1997-02494 BIOTECHDS

TI A gene coding for ***creatinine*** - ***amidinohydrolase*** ;
Alcaligenes faecalis thermostable creatinase expression in
Serratia liquefaciens for use in ***creatinine*** determination and
disease diagnosis

PA Toyobo

LO Japan.

PI JP 08308579 26 Nov 1996

AI JP 1995-117283 16 May 1995

PRAI JP 1995-117283 16 May 1995

DT Patent

LA Japanese

OS WPI: 1997-059698 [06]

L3 ANSWER 7 OF 22 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
DUPLICATE 4

AN 1996-06800 BIOTECHDS

TI DNA encoding ***creatinine*** - ***amidinohydrolase*** ;
Alcaligenes sp. creatinase gene cloning and expression for
use in kidney disease diagnosis, etc.

AU Furukawa K; Ichikawa T; Suzuki M; Koyama Y

PA Kikkoman

LO Chiba, Japan.

PI DE 19536506 4 Apr 1996

AI DE 1995-1036506 29 Sep 1995

PRAI JP 1994-235737 29 Sep 1994

DT Patent

LA German

OS WPI: 1996-180805 [19]

L3 ANSWER 8 OF 22 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
DUPLICATE 5

AN 1996-01134 BIOTECHDS

TI ***Creatinine*** - ***amidinohydrolase*** ;
purification and characterization of creatinase produced by
Alcaligenes faecalis

PA Toyobo

LO Japan.

PI JP 07265074 17 Oct 1995

AI JP 1994-63363 31 Mar 1994

PRAI JP 1994-63363 31 Mar 1994

DT Patent

LA Japanese

OS WPI: 1995-388685 [50]

L3 ANSWER 9 OF 22 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
DUPLICATE 6

AN 1995-11084 BIOTECHDS

TI New ***creatinine*** - ***amidinohydrolase*** enzyme from
Alcaligenes ;

creatinase preparation, purification and characterization from

Alcaligenes sp. for use as a diagnostic

AU Furukawa K; Hashimoto K; Suzuki M
PA Kikkoman
PI DE 4445084 22 Jun 1995
AI DE 1994-4445084 16 Dec 1994
PRAI JP 1993-318675 17 Dec 1993
DT Patent
LA German
OS WPI: 1995-225787 [30]

L3 ANSWER 10 OF 22 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
STN
AN 2002:29488 BIOSIS
DN PREV200200029488
TI ***Creatine*** ***amidinohydrolase*** from ***alkaligenes***
sp. KS-85 ferm BP-4487.
AU Furukawa, K. [Inventor]; Hashimoto, K. [Inventor]; Suzuki, M. [Inventor]
CS Noda, Japan
ASSIGNEE: KIKKOMAN CORPORATION
PI US 5451520 19950919
SO Official Gazette of the United States Patent and Trademark Office Patents,
(Sept. 19, 1995) Vol. 1178, No. 3, pp. 1663. print.
CODEN: OGUPE7. ISSN: 0098-1133.
DT Patent
LA English
ED Entered STN: 26 Dec 2001
Last Updated on STN: 25 Feb 2002

=> d 11-22

L3 ANSWER 11 OF 22 LIFESCI COPYRIGHT 2005 CSA on STN
AN 97:10782 LIFESCI
TI ***Creatine*** ***amidinohydrolase*** from ***Alkaligenes***
sp. ks-85 ferm bp-4487
CS KIKKOMAN CORPORATION
SO (1995) . US Patent 5451520; US Cl. 435/227 435/252.1 435/829.
DT Patent
FS A; W2
LA English

L3 ANSWER 12 OF 22 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on
STN
AN 1992:611010 SCISEARCH
GA The Genuine Article (R) Number: JT339
TI EFFECTS OF PH, TEMPERATURE AND REACTION-PRODUCTS ON THE PERFORMANCE OF AN
IMMOBILIZED CREATININASE-CREATINASE-SARCOSINE OXIDASE ENZYME-SYSTEM FOR
CREATININE DETERMINATION
AU SAKSLUND H (Reprint); HAMMERICH O
CS UNIV COPENHAGEN, HC ORSTED INST, DEPT CHEM, UNIVERSITETSPARKEN 5, DK-2100
COPENHAGEN, DENMARK
CYA DENMARK
SO ANALYTICA CHIMICA ACTA, (16 OCT 1992) Vol. 268, No. 2, pp. 331-345.
ISSN: 0003-2670.
PB ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS.
DT Article; Journal
FS PHYS
LA English
REC Reference Count: 49
ED Entered STN: 1994
Last Updated on STN: 1994
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L3 ANSWER 13 OF 22 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
DUPLICATE 7
AN 1987-09207 BIOTECHDS
TI Production of ***creatine*** - ***amidinohydrolase*** ;
using ***Alcaligenes*** sp.
PA Kobayashi-Pharm.
PI JP 62091182 25 Apr 1987
AI JP 1985-234163 18 Oct 1985

PRAI JP 1985-234163 18 Oct 1985
DT Patent
LA Japanese
OS WPI: 1987-153951 [22]

L3 ANSWER 14 OF 22 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
DUPLICATE 8
AN 1987-02879 BIOTECHDS
TI Sarcosine-oxidase involved in creatinine degradation in
Alcaligenes denitrificans subsp. denitrificans J9 and
Arthrobacter spp. J5 and J11;
enzyme purification and partial characterization
AU Kim J M; Shimizu S; Yamada H
LO Department of Agricultural Chemistry, Faculty of Agriculture, Kyoto
University, Kyoto 606, Japan.
SO Agric.Biol.Chem.; (1986) 50, 11, 2811-16
CODEN: ABCHA6
DT Journal
LA English

L3 ANSWER 15 OF 22 MEDLINE on STN DUPLICATE 9
AN 86298631 MEDLINE
DN PubMed ID: 3742654
TI Purification and characterization of ***creatinine***
amidinohydrolase of ***Alcaligenes*** origin.
AU Matsuda Y; Wakamatsu N; Inouye Y; Uede S; Hashimoto Y; Asano K; Nakamura S
SO Chemical & pharmaceutical bulletin, (1986 May) 34 (5) 2155-60.
Journal code: 0377775. ISSN: 0009-2363.
CY Japan
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198610
ED Entered STN: 19900321
Last Updated on STN: 19900321
Entered Medline: 19861015

L3 ANSWER 16 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1985:593663 HCAPLUS
DN 103:193663
TI Higher homolog and N-ethyl analog of ***creatinine*** as synthetic
phosphagen precursors in brain, heart, and muscle, repressors of liver
amidinotransferase, and substrates for ***creatinine*** catabolic
enzymes
AU Roberts, Jeffrey J.; Walker, James B.
CS Dep. Biochem., Rice Univ., Houston, TX, 77251, USA
SO Journal of Biological Chemistry (1985), 260(25), 13502-8
CODEN: JBCHA3; ISSN: 0021-9258
DT Journal
LA English

L3 ANSWER 17 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 10
AN 1980:512317 HCAPLUS
DN 93:112317
TI Creatinineamide hydrolase and creatineamidino hydrolase
PA Toyobo Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 55034029	A2	19800310	JP 1978-105039	19780828
	JP 60050437	B4	19851108		
PRAI	JP 1978-105039	A	19780828		

L3 ANSWER 18 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1979:589698 HCAPLUS
DN 91:189698
TI Recovery of soluble creatinase ***amidinohydrolase***
IN Holz, Guenter; Gramsall, Johanna; Nelboeck-Hochstetter, Michael;

PA Bergmeyer, Hans Ulrich
SO Boehringer Mannheim G.m.b.H., Fed. Rep. Ger.
Ger., 3 pp. Division to Ger. 2,122,294.
CODEN: GWXXAW

DT Patent
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2167120	B1	19790802	DE 1971-2167120	19710505
	DE 2167120	C2	19800403		
PRAI	DE 1971-2167120	A	19710505		

L3 ANSWER 19 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1977:599190 HCAPLUS

DN 87:199190

TI Recovery of creatineamidinohydrolase

IN Moellering, Hans; Beaucamp, Klaus; Nelboeck-Hochstetter, Michael;
Bergmeyer, Hans Ulrich

PA Boehringer Mannheim G.m.b.H., Fed. Rep. Ger.

SO Ger. Offen., 12 pp. Division of Ger. Offen. 2,122,298.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2167035	A1	19771006	DE 1971-2167035	19710505
	DE 2167035	C3	19790510		
PRAI	DE 1971-2167035	A	19710505		

L3 ANSWER 20 OF 22 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1973:68764 HCAPLUS

DN 78:68764

TI Purification of creatinine amidohydrolase

IN Moellering, Hans; Beaucamp, Klaus; Nelboeck-Hochstetter, Michael;
Bergmeyer, Hans Ulrich

PA Boehringer Mannheim G.m.b.H.

SO Ger. Offen., 16 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2122298	A	19721123	DE 1971-2122298	19710505
	DE 2122298	C3	19790222		
	US 3806416	A	19740423	US 1972-249589	19720502
	NL 7205995	A	19721107	NL 1972-5995	19720504
	NL 175930	B	19840816		
	NL 175930	C	19850116		
	IT 954975	A	19730915	IT 1972-23890	19720504
	AT 311288	B	19731112	AT 1972-3879	19720504
	GB 1359403	A	19740710	GB 1972-20767	19720504
	IL 39362	A1	19741129	IL 1972-39362	19720504
	HU 166364	P	19750328	HU 1972-BO1369	19720504
	CH 572067	A	19760130	CH 1972-6622	19720504
	CA 993386	A1	19760720	CA 1972-141498	19720504
	DK 134026	B	19760830	DK 1972-2213	19720504
	FI 51358	B	19760831	FI 1972-1267	19720504
	SU 532341	D	19761015	SU 1972-1781172	19720504
	FR 2182705	B1	19770114	FR 1972-15957	19720504
	FR 2182705	A1	19731214		
	JP 57029150	B4	19820621	JP 1972-44534	19720504
	US 3912588	A	19751014	US 1973-411526	19731031
	US 3907644	A	19750923	US 1973-415463	19731113
	SE 7900292	A	19790112	SE 1979-292	19790112
PRAI	DE 1971-2122255	A	19710505		
	DE 1971-2122294	A	19710505		
	DE 1971-2122298	A	19710505		
	US 1972-247184	A2	19720424		
	US 1972-249589	A3	19720502		

SE 1972-587 A 19720504
US 1973-411526 A2 19731031

L3 ANSWER 21 OF 22 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN
AN 1972-74817T [47] WPIDS
TI Growth of microorganisms - contg creatinine - amidohydrolase and
creatinine- ***amidinohydrolase***
DC B04 D16
PA (BOEF) BOEHRINGER MANNHEIM GMBH
CYC 7
PI NL 7205996 A (197247)*
DE 2122294 A (197249)
FR 2135301 A (197309)
US 3806420 A 19740423 (197418)
SU 421200 A 19740814 (197504)
CH 572522 A 19760213 (197615)
DE 2167120 A 19781116 (197847)
DE 2122294 B 19781130 (197849)
DE 2167120 B 19790802 (197932)
JP 47043281 A 19721218 (198112)
JP 56007674 B 19810219 (198112)
NL 175434 B 19840601 (198425)
ADT DE 2167120 A Div ex DE 1971-2122294 19710505, DE 1971-2167120 19710505
PRAI DE 1971-2167120 19710505; DE 1971-2122294 19710505;
DE 1971-2122298 19710505
IC C12D013-10; C12N009-86; C12R001-05

L3 ANSWER 22 OF 22 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN
AN 1972-74816T [47] WPIDS
TI Isolation of creatinine amido hydrolase and ***creatinine*** -
amidinohydrolase - from microorganisms, for use in clinical liver
fun.
DC B04 D16 S03 S05
PA (BOEF) BOEHRINGER MANNHEIM GMBH
CYC 10
PI NL 7205995 A (197247)*
DE 2122298 A (197249)
FR 2182705 A 19740118 (197406)
US 3806416 A 19740423 (197418)
GB 1359403 A 19740710 (197428)
US 3907644 A 19750923 (197540)
US 3912588 A 19751014 (197543)
CH 572067 A 19760130 (197612)
CA 993386 A 19760720 (197632)
DE 2167034 A 19770922 (197739)
DE 2167035 A 19771006 (197741)
SU 532341 A 19770725 (197808)
DE 2122298 B 19780629 (197827)
DE 2167035 B 19780921 (197839)
SE 7900292 A 19790618 (197927)
DE 2167034 B 19800320 (198013)
JP 47043283 A 19721218 (198228)
JP 57029150 B 19820621 (198228)
NL 175930 B 19840816 (198435)
PRAI DE 1971-2122255 19710505; DE 1971-2122298 19710505;
DE 1971-2167034 19710505
IC C07C007-02; C07G007-28; C12D013-00; C12K001-00; C12N009-78; C12N009-80;
G01N031-14; G01N033-00

=> s sogabe, a?/au

L4 202 SOGABE, A?/AU

=> s l4 and creatine and amidinohydrolase

L5 10 L4 AND CREATINE AND AMIDINOHYDROLASE

=> s l5 not l3

L6 8 L5 NOT L3

=> dup rem l6

PROCESSING COMPLETED FOR L6

L7 6 DUP REM L6 (2 DUPLICATES REMOVED)

=> d 1-6

L7 ANSWER 1 OF 6 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2003:460153 HCAPLUS
DN 139:32888
TI Enzymic method and reagent composition for measuring biological component
via formaldehyde
IN Kishimoto, Takahide; ***Sogabe, Atsushi*** ; Hattori, Shizuo; Oka,
Masanori
PA Toyobo Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 18 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003169696	A2	20030617	JP 2001-371682	20011205
PRAI	JP 2001-371682		20011205		

L7 ANSWER 2 OF 6 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:446161 HCAPLUS
DN 137:17423
TI Method and kit for the determination of a biological component
IN Kishimoto, Takahide; ***Sogabe, Atsushi*** ; Hattori, Shizuo; Oka,
Masanori
PA Toyo Boseki Kabushiki Kaisha, Japan
SO Eur. Pat. Appl., 27 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1213358	A2	20020612	EP 2001-128928	20011205
	EP 1213358	A3	20040630		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	US 2002119507	A1	20020829	US 2001-998130	20011203
	US 6867012	B2	20050315		
	JP 2002355095	A2	20021210	JP 2001-370601	20011204
PRAI	JP 2000-370445	A	20001205		
	JP 2001-96724	A	20010329		

L7 ANSWER 3 OF 6 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
DUPLICATE 1
AN 2002-02086 BIOTECHDS
TI New ***creatine*** - ***amidinohydrolase*** , useful as a routine
reagent for clinical tests for determining ***creatine*** and
creatinine in biological samples, particularly useful in diagnosing
diseases such as uremia or chronic nephritis;
with use of an Escherichia coli culture medium
AU ***Sogabe A*** ; Hattori T; Nishiya Y; Kawamura Y
PA Toyo-Ink
LO Osaka, Japan.
PI EP 1132467 12 Sep 2001
AI EP 1997-113052 13 Feb 1997
PRAI JP 1996-25435 13 Feb 1996
DT Patent
LA English
OS WPI: 2001-612481 [71]

L7 ANSWER 4 OF 6 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 2001:113975 BIOSIS
DN PREV200100113975
TI ***Creatine*** ***amidinohydrolase*** , production thereof and use
thereof.
AU ***Sogabe, Atsushi*** [Inventor, Reprint author]; Hattori, Takashi
[Inventor]; Nishiya, Yoshiaki [Inventor]; Kawamura, Yoshihisa [Inventor]
CS Tsuruga, Japan
ASSIGNEE: Toyo Boseki Kabushiki Kaisha, Osaka, Japan
PI US 6080553 20000627

SO Official Gazette of the United States Patent and Trademark Office Patents,
(June 27, 2000) Vol. 1235, No. 4. e-file.
CODEN: OGUPE7. ISSN: 0098-1133.
DT Patent
LA English
ED Entered STN: 7 Mar 2001
Last Updated on STN: 15 Feb 2002

L7 ANSWER 5 OF 6 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
DUPLICATE 2
AN 1997-11458 BIOTECHDS
TI ***Creatine*** - ***amidinohydrolase*** enzymes with low Km;
creatinase characterization
AU ***Sogabe A*** ; Hattori T; Nishiya Y; Kawamura Y
PA Toyo-Boseki
LO Osaka, Japan.
PI EP 790303 20 Aug 1997
AI EP 1997-102270 13 Feb 1997
PRAI JP 1996-25435 13 Feb 1996
DT Patent
LA English
OS WPI: 1997-404731 [38]

L7 ANSWER 6 OF 6 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 1997:34197 HCAPLUS
DN 126:86516
TI Cloning and expression of ***creatine*** ***amidinohydrolase***
gene of Alcaligenes faecalis
IN ***Sogabe, Atsushi*** ; Yamamoto, Kazumi; Kawamura, Yoshihisa
PA Toyo Boseki, Japan
SO Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08308579	A2	19961126	JP 1995-117283	19950516
	JP 2001252088	A2	20010918	JP 2001-51054	19950516
PRAI	JP 1995-117283	A3	19950516		

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(FILE 'HOME' ENTERED AT 18:03:43 ON 08 SEP 2005)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS,
NTIS, ESBIODBASE, BIOTECHNO, WPIDS' ENTERED AT 18:04:17 ON 08 SEP 2005

L1 59 S (ALCALIGENES OR ALKALIGENES) AND CREATINE
L2 41 S L1 AND AMIDINOHYDROLASE
L3 22 DUP REM L2 (19 DUPLICATES REMOVED)
L4 202 S SOGABE, A?/AU
L5 10 S L4 AND CREATINE AND AMIDINOHYDROLASE
L6 8 S L5 NOT L3
L7 6 DUP REM L6 (2 DUPLICATES REMOVED)

=> log h

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
118.19	118.40

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 18:23:39 ON 08 SEP 2005

STIC-Biotech/ChemLib

158135

mej

From: Slobodyansky, Elizabeth
Sent: Friday, July 01, 2005 9:35 PM
To: STIC-Biotech/ChemLib
Subject: 10/807,228 seq

Please search for case 10/807,228:

EL

SEQ ID NOs: 1 and 2 against commercial and interference databases.

Thank you.

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Elizabeth Slobodyansky, PhD

Primary Examiner
Art Unit 1652
REM 2D83
571-272-0941
MAILBOX 2C70

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Searcher Phone: 2-_____
Date Searcher Picked up: _____
Date Completed: _____
Searcher Prep/Rev. Time: _____
Online Time: _____

Type of Search

NA#: _____ AA#: _____
Interference: _____ SPDI: _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure#: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable

STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other(Specify): _____